IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method of recording marks representing data in an information layer of a record carrier, the method comprising the acts of:

irradiating the information layer,

writing a mark by a sequence of one or more write pulses, said information layer having a phase reversibly changeable between a crystalline phase and an amorphous phase, and

irradiating the information layer in between the sequences of one or more write pulses by a radiation beam having an erase power level,

wherein at least one of the write pulses in said sequence of two or more write pulses other than a first write pulse in said sequence consists of n portions, n being an integer number larger

than 1, the i-th portion having an i-th write power level, i being an integer number in the range between 1 and n, the i-th portion preceding the (i+1)-th portion, and wherein the i-th write power level is lower than the (i+1)-th write power level, the first write pulse having a constant power level,

wherein the erase power level is higher than a first write power level of the first write pulse and is lower than an n-th write power level in a last portion of the write pulses,

wherein the n-th power level is immediately followed by a further write power level, the further write power level being lower than the erase power level, and

wherein there is no decrease in a power level between the first write power level and the n-th write power level.

Claim 2 (Canceled)

3.(Previously Presented) The method as claimed in claim 1, wherein at least one of the write pulses in said sequence of two or more write pulses consists of n portions of substantially the same duration.

4.(Previously Presented) A method of recording marks representing data in an information layer of a record carrier, the method comprising the acts of:

writing a mark by a sequence of one or more write pulses, said information layer having a phase reversibly changeable between a crystalline phase and an amorphous phase; and

irradiating the information layer in between the sequences of one or more write pulses by a radiation beam having an erase power level, the erase power level being higher than a first write power level in a first portion of a write pulse of the one or more write pulses and being lower than an n-th write power level in a last portion of the write pulse, wherein the n-th power level is immediately followed by a further write power level, the further write power level being lower than the erase power level, wherein there is no decrease in a power level between the first write power level and the n-th write power level.

Claim 5-6 (Canceled)

7. (Previously Presented) A method of recording marks representing data in an information layer of a record carrier, the method comprising the acts of:

writing a mark by a sequence of write pulses, said information layer having a phase reversibly changeable between a crystalline phase and an amorphous phase; and

irradiating the information layer in between the sequences of one or more write pulses by a radiation beam having an erase power level, the erase power level being higher than a lowest write power level of a write pulse of the write pulses and being lower than a highest write power level of the write pulse, wherein the highest write power level is immediately followed by a further write power level, the further write power level being lower than the erase power level, wherein there is no decrease in a power level between the lowest write power level and the highest write power level.

8. (Previously Presented) A recording apparatus for recording marks representing data in an information layer of a record carrier by irradiating the information layer by means of a pulsed radiation beam, each mark being written by a sequences of two or more write

pulses, said information layer having a phase reversibly changeable between a crystalline phase and an amorphous phase, the apparatus comprising:

a radiation source for providing the pulsed radiation beam, and

a control unit operative for controlling the power of the pulsed radiation beam and for providing the sequences of write pulses for recording the marks,

wherein the control unit is operative for controlling the power of the pulsed radiation beam such that when a mark is recorded by the sequence write pulses, and for irradiating the information layer in between the sequences of write pulses by a radiation beam having an erase power level,

wherein at least one of the write pulses in said sequence of write pulses other than a first write pulse in the sequence consists of n portions, n being an integer number larger than 1, the i-th portion having an i-th write power level, i being an integer number in the range between 1 and n, the i-th portion preceding the (i+1)-th portion, and the i-th write power level being lower than the (i+1)-th write power level, the first write

pulse having a constant power level,

wherein the erase power level is higher than a first write power level of the first write pulse and is lower than an n-th write power level in a last portion of the write pulses,

wherein the n-th power level is immediately followed by a further write power level, the further write power level being lower than the erase power level, and

wherein there is no decrease in a power level between the first write power level and the n-th write power level.

Claims 9-25 (Canceled)